

DT100-8C-E – Ethernet LED Digital Clocks

LED digital clocks DT100-8C-E display time and temperature information obtained via Ethernet connection. The time is synchronized with any available local or public NTP/SNTP time server (including OSC time server GPSNTP).

- Display format: 24 hour (hours:minutes), date (day.month.) or temperature (°C)
- Fixed or alternate time, date and temperature display, adjustable alternating period
- Clock display: highly visible LED
- Led color: DT100-8C1-E – 24 Hour red, Date green
DT100-8C2-E – 24 Hour green, Date red
DT100-8CR-E – red
DT100-8CG-E – green
- 100 mm Digits (24 Hour) and 57 mm Digits (Date)
- Bright intensity setting: manually, 15 levels (button ‚more‘ and ‚less‘)
- Data interface: Ethernet 10/100 Mbit, RJ-45 connector
- Source of time information: local or public NTP/SNTP server
- Temperature information obtained from external Ethernet thermometer TME
- Network protocol: NTP/SNTP v4 client
OSC NET Display
Telnet
Spinel mod B (for thermometer TME)
- Stand-alone function (for absence of time source)
- Battery backup maintains time during a power failure
- Enable or disable automatic switching between standard time and daylight saving time
- All world time zones available
- Installation: wall mount
below ceiling (two bars) - single/double sided
- Available aluminum frame: black color / silver extruded / gold extruded
- Supply: 230 VAC (85-264 VAC/120-370 VDC), 15 VA max
- Operating temperature: -10 °C ... +50 °C
- Weight: 3,4 kg
- Dimensions: 760 x 180 x 36 mm



Figure 1: DT100-8C1-E front view, black frame

The temperature is obtained from external Ethernet thermometer TME (product of PAPOUCH s.r.o., extra accessories). Multiple clocks can be connected to one TME.

Supervision and configuration is maintained by Telnet or by user-friendly software **OSC NET Display**, which can handle many Ethernet clocks at the same time.

Back compatibility: standard central time systems GPSD/GPSA can be connected via serial interface RS485/422 with the time protocol OSC/OSC+. It is not possible to activate Ethernet and serial interface simultaneously.

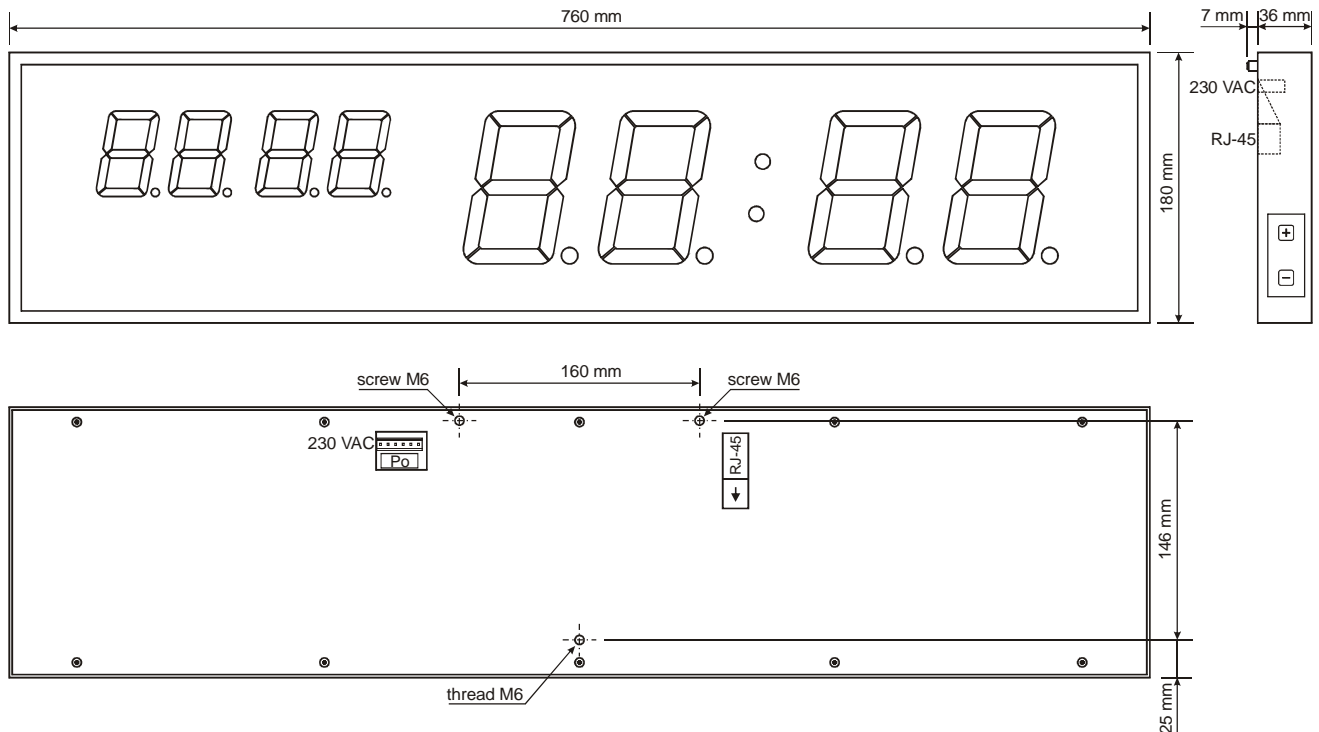


Figure 2: DT100-8C-E drawing (wall mount)

No-glare front side and high contrast guarantee excellent readability. These indoor clocks are in use by many organizations where accurate, synchronized time is required.

Serial interface and supply cable is connected through connector or through WAGO clips. The maximum diameter of used wires is 2.5 mm². The DT100-8C-E connects to a 10BaseT or 100BaseT hub (or switch) via a standard RJ-45 Ethernet CAT 5 cable.